

Practitioner's Docket No.: 915-002.014 (USSN: 10/577,639)

## CHAPTER II

## IN THE UNITED STATES ELECTED OFFICE (EO/US)

PCT/IB04/52207  
INTERNATIONAL APPLICATION NO.October 26, 2004  
INTERNATIONAL FILING DATEOctober 28, 2003  
PRIORITY DATE CLAIMEDDATACASTING  
TITLE OF INVENTIONLarri VERMOLA, Juha SALO, Tero NAUMI and Miia VAINIO  
APPLICANT(S) for DO/US

Mail Stop PCT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

**COMPLETION OF FILING REQUIREMENTS  
 FOR INTERNATIONAL APPLICATION ENTERING U.S. NATIONAL STAGE  
 IN U.S. ELECTED OFFICE (EO/US) UNDER 35 U.S.C. § 371**

**CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10\***  
 (When using Express Mail, the Express Mail label number is mandatory;  
 Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

## MAILING

deposited with the United States Postal Service in an envelope addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

37 C.F.R. § 1.8(a)

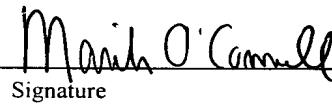
37 C.F.R. § 1.10\*

with sufficient postage as first class mail.  as "Express Mail Post Office to Addressee"

Mailing Label No.: EV 914764475 US (mandatory)

## TRANSMISSION

facsimile transmitted to the Patent and Trademark Office, (703)



Signature

Date: February 15, 2007

Marilyn O'Connell

(type or print name of person certifying)

\*Only the date of filing (§1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under §1.8 continues to be taken into account in determining timeliness. See §1.703(f). Consider "Express Mail Post Office to Addressee" (§1.10) or facsimile transmission (§1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

(Completion of Filing Requirements for International Application Entering U.S. Elected Office (EO/US)

(check and complete the applicable item, if applicable)

This replies to the Notice of Missing Requirements under 35 U.S.C. § 371 and 37 C.F.R. § 1.495 (FORM PCT/DO/EO/905)

A copy of FORM PCT/DO/EO/905 accompanies this response.

**WARNING:** Where the items being submitted to complete the entry of the international application into the national phase are subsequent to 30 months from the priority date the application is still considered to be in the international state and if mailing procedures are utilized to obtain a date the express mail procedure of 37 C.F.R. § 1.10 must be used (because international application papers are not covered by an ordinary certificate of mailing. 37 C.F.R. § 108(d)(xi).

**NOTE:** Documents and fees must be clearly identified as a submission to enter the national stage under 35 U.S.C. § 371. Otherwise, the submission will be considered as being made under 35 U.S.C. § 111. 37 C.F.R. § 1.495(g).

### **DECLARATION OR OATH**

I.  No original declaration or oath was filed. Enclosed is the original declaration or oath for this application.

#### **OR**

The declaration or oath that was filed was determined to be defective. A new original oath or declaration is attached.

**NOTE:** For surcharge fee for filing declaration after filing date complete item IV(2).

**NOTE:** Acceptable minimums in the declaration in an ordinarily filed U.S. application for identification of the specification to which it applies are:

- (A) application number (consisting of the series code and the serial number, e.g., 08/123,456);
- (B) serial number and filing date;
- (C) attorney docket number which was on the specification as filed;
- (D) title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or
- (E) title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/124,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration.

*M.P.E.P. § 601.01(a), 7<sup>th</sup> ed.. Notice of September 12, 1983 (1035 O.G. 3). See M.P.E.P.. § 601.01(a), 7<sup>th</sup> ed.*

**NOTE:** Another minimum found acceptable in the declaration is the filing date (i.e., date of express mail) and the express mail number, useful where the serial number is not yet known. But note the practice where the express mail deposit is a Saturday, Sunday, or holiday within the District of Columbia. 37 C.F.R. § 1.10(c).

**NOTE:** See 37 C.F.R. § 1.41(a).

The original oath was objected to. A new original oath is attached.

(complete (c) or (d) if applicable)

Attached is a

- (c)  Statement by a registered attorney that the application filed in the PTO is the application that the inventor executed by signing the declaration.
- (d)  Statement that the "attached" specification is a copy of the specification and any amendments thereto that were filed in the PTO to obtain the filing date.

**AMENDMENT**  
(complete as applicable)

**II.**

An amendment in accordance with 37 C.F.R. § 1.121 is attached.  
 The attached amendment cancels claims \_\_\_\_\_ inclusive.

**TRANSMITTAL OF ENGLISH TRANSLATION  
OF NON-ENGLISH LANGUAGE PAPERS**

**III.**  Submitted herewith is an English translation of the non-English language international application papers as originally filed. It is requested that this translation be used as the copy for examination purposes in the PTO. (See 37 C.F.R. § 1.495(c))

*NOTE:* For fee for processing a non-English application, complete item IV(3).

*NOTE:* A non-English oath or declaration in the form provided or approved by the PTO need not be translated. 37 C.F.R. § 1.69(b).

**FEES**

**IV.**

*NOTE:* See 37 C.F.R. § 1.28(a)

**1. Fees for claims**

each independent claim in excess of 3  
(37 C.F.R. § 1.492(b) - \$200.00; small entity - \$100.00) \$ \_\_\_\_\_  
 each claim in excess of 20  
(37 C.F.R. § 1.492(c)) - \$50.00; small entity - \$25.00 \$ \_\_\_\_\_  
 multiple dependent claims (s)  
(37 C.F.R. § 1.492(d)) - \$360.00; small entity - \$180.00 \$ \_\_\_\_\_

**2. Surcharge fees**

surcharge set forth in 37 C.F.R. § 1.492(e) for accepting the declaration later than 30 months after the priority date in filing an application in the U.S. as a designated office –  
\$130.00; small entity - \$65.00 \$ 130.00

*NOTE:* The processing fee in the next item 3 below is not subject to a reduction for small entity status.

**3.**  processing fee set forth in 37 C.F.R. § 1.492(f) for acceptance of an English translation later than 30 months after the priority date - \$130.00 \$ \_\_\_\_\_

**Total fees** \$ 130.00

**SMALL ENTITY STATUS**

**V. a.**  An assertion that this filing is by a small entity

*NOTE:* See 37 C.F.R. § 1.28 (a)

02/20/2007 GFREY1 00000139 10577639

(check and complete applicable items)

01 FC:1617

130.00 0P

is attached.  
 was filed on \_\_\_\_\_.  
 was made by paying the basic national fee as a small entity.  
 is being made now by paying the basic national fee as a small entity.

**b.**  A separate refund request accompanies this paper.

**EXTENSION OF TIME**  
(complete (a) or (b), as applicable)

**VI.** The proceedings herein are for a patent application. Accordingly, the provisions of 37 C.F.R. § 1.136(a) apply.

(a)  Applicant petitions for an extension of time, the fees for which are set out in 37 C.F.R. § 1.17(a)(1)-(4), for the total number of months checked out below:

<input type="checkbox"/>	one month	\$ 110.00	\$ 55.00
<input type="checkbox"/>	two months	\$ 430.00	\$ 215.00
<input type="checkbox"/>	three months	\$ 980.00	\$ 490.00
<input type="checkbox"/>	four months	\$ 1,530.00	\$ 765.00
<input type="checkbox"/>	five months	\$ 2,080.00	\$ 1,040.00

Fee: \$ \_\_\_\_\_

If an additional extension of time is required, please consider this a petition therefor.

(check and complete the next item, if applicable)

An extension for \_\_\_\_\_ months has already been secured. The fee paid therefor of \$\_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ \_\_\_\_\_

Or

(b)  Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

**TOTAL FEE DUE**

**VII.** The total fee due is:

Completion fee(s) \$ 130.00

Extension fee (if any) \$ \_\_\_\_\_

TOTAL FEE DUE \$ 130.00

**PAYMENT OF FEES**

**VIII.**

Attached is a  check  money order in the amount of \$ 130.00  
 Authorization is hereby made to charge the amount of \$ any deficiencies

to Deposit Account No. 23-0442  
 to Credit card as shown on the attached credit card information authorization form PTO-2038.

*WARNING:* Credit card information should not be included on this form as it may become public.

Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate of this paper is attached.

## AUTHORIZATION TO CHARGE ADDITIONAL FEES

### IX.

**WARNING:** Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges if extra claims are authorized.

**NOTE:** "A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. §1.136(a)(3).

**NOTE:** "Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

Please charge, in the manner authorized above, the following additional fees that may be required by this paper and during the entire pendency of this application:

37 C.F.R. §§ 1.492(a)(1), 1.492(a) (4) (filing fees)  
 37 C.F.R. § 1.492(b), (c), and (d) presentation of extra claims)

**NOTE:** Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid for these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.492(d)), it might be best not to authorize the PTO to charge additional claim fees, except possible when dealing with amendments after final action.

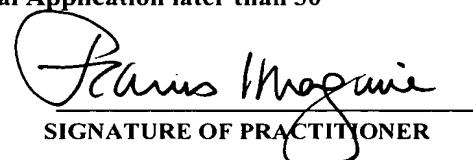
37 C.F.R. § 1.17 (application processing fees)  
 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a))  
 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

**NOTE:** Where an authorization to charge the issue fee to a direct deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. § 1.311(b).

**NOTE:** 37 C.F.R. § 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying . . . issue fee." From the wording of 37 C.F.R. § 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

37 C.F.R. § 1.492(e) and/or (f) (surcharge fees for filing the declaration and/or filing an English translation of an International Application later than 30 months after the priority date).

**WARNING:** It would be wise to always check this last authorization.



SIGNATURE OF PRACTITIONER

Reg. No.: 31,391

Francis J. Maguire

(type or print name of practitioner)

Tel. No.: (203) 261-1234

Ware, Fressola, Van Der Sluys  
& Adolphson LLP

Customer No.: 004955

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755 Main Street, P.O. Box 224  
Monroe, Connecticut 06468



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
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[www.uspto.gov](http://www.uspto.gov)

Date Mailed: 01/11/2007

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 04/28/2006
- Copy of the International Search Report filed on 04/28/2006
- Copy of IPE Report filed on 04/28/2006
- Preliminary Amendments filed on 04/28/2006
- Information Disclosure Statements filed on 04/28/2006
- Request for Immediate Examination filed on 04/28/2006
- U.S. Basic National Fees filed on 04/28/2006
- Priority Documents filed on 04/28/2006
- Specification filed on 04/28/2006
- Claims filed on 04/28/2006
- Drawings filed on 04/28/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

RECEIVED  
WARE, FRESSOLA, VAN DER SLUYS  
& ADOLPHSON  
JAN 16 2007  
FILE 915-602.14  
ANS'D. fpm  
SOCKETED

Total additional fees required for this application is **\$130 for a Large Entity**:

- **\$130 Surcharge.**

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

KAYA L LEWIS BALTIMORE

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Telephone: (703) 308-9140 EXT 202

**PART 1 - ATTORNEY/APPLICANT COPY**

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/577,639	PCT/IB04/52207	915-002.014

FORM PCT/DO/EO/905 (371 Formalities Notice)